

AMENDMENTS TO THE CLAIMS

Please amend claims 33, 36, 38, and 44, as follows. A complete listing of pending claims is provided below.

1-32. (Canceled)

33. (Currently Amended) A method for detaching an occlusive coil at a site to be occluded in a body, comprising:

- i) providing a catheter having a distal ~~section~~end and an occlusive coil attached to the distal ~~section~~end such that a distal end of the coil is distal to the catheter distal ~~section~~end;
- ii) inserting the catheter in a body such that the coil is placed at a site to be occluded;
- iii) directing a fluid to the catheter distal ~~section~~end through a lumen in said catheter such that the fluid radially expands the catheter distal ~~section~~end to thereby release said coil from the distal ~~section~~end of the catheter.

34. (Canceled)

35. (Previously Presented) The method of claim 33, wherein said catheter is a tube.

36. (Currently Amended) The method of claim 33, wherein the catheter distal ~~section~~ end further comprises a radially expanding coupling that releases the coil when the coupling is radially expanded by fluid pressure.

37. (Previously Presented) The method of claim 33, wherein the coil is not in fluid communication with the lumen.

38. (Currently Amended) A system for delivering an occlusive coil to a vascular passage, comprising:

an occlusive coil having a ~~length~~ distal end; and

a delivery member having a coupling portion, the coupling portion having a ~~length that is shorter than the coil length~~ distal end that is proximal to the distal end of the occlusive coil, the coupling portion changing configuration in response to fluid pressure applied to the coupling portion to release the occlusive coil from the coupling portion.

39. (Previously Presented) The system of claim 38, wherein the coupling portion changes configuration by expanding in a substantially radial direction in response to fluid pressure applied to the coupling portion.

40. (Previously Presented) The system of claim 38, wherein the coupling portion comprises a coupling member that couples to the occlusive coil by clamping the occlusive coil in a substantially fixed position, the coupling member changing configuration by expanding in a substantially radial direction in response to fluid pressure applied to the coupling member.

41. (Previously Presented) The system of claim 40, wherein the coupling member comprises a plurality of slots that engage the implant.
42. (Previously Presented) The system of claim 38, wherein the coupling portion is configured so that the occlusive coil is not in fluid communication with the coupling portion.
43. (Previously Presented) The system of claim 38, wherein the coupling portion comprises a distal portion of the delivery member.
44. (Currently Amended) A system for delivering an occlusive coil to a vascular passage, comprising:
an occlusive coil having a ~~length~~ distal end; and
a delivery member, the delivering member comprising a deformable coupling portion that changes shape in response to fluid pressure applied to the coupling portion to release the occlusive coil from the coupling portion, the coupling portion having a ~~length that is shorter than the coil~~ length distal end that is proximal to the distal end of the occlusive coil.
45. (Previously Presented) The system of claim 44, wherein the coupling portion changes shape by expanding substantially radially outward in response to fluid pressure applied to the coupling portion.

46. (Previously Presented) The system of claim 44, wherein the coupling portion comprises a coupling member that, when in one shape, is configured to couple the occlusive coil to the coupling member.
47. (Previously Presented) The system of claim 46, wherein the coupling member couples the occlusive coil by clamping action.
48. (Previously Presented) The system of claim 44, wherein the coupling portion is configured so that the occlusive coil is not in fluid communication with the coupling portion.
49. (Previously Presented) The system of claim 44, wherein the coupling portion comprises a distal portion of the delivery member.